## WHAT IS CLAIMED IS:

- 1. A semiconductor device comprising:
- a substrate;

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- a thin film transistor disposed on the substrate;
- a storage capacitor disposed adjacent the thin film transistor and keeping a voltage supplied through the thin film transistor;
- a first semiconductor portion making a first capacitance coupling with a gate electrode of the thin film transistor;

a second semiconductor portion making a second capacitance coupling with a storage capacitor electrode of the storage capacitor, the second semiconductor portion not being in a physical contact with the first semiconductor portion; and

a metal wiring connecting the first semiconductor portion and the second semiconductor portion.

- 2. The semiconductor device of claim 1, further comprising a pixel electrode, wherein the metal wiring is connected to the pixel electrode.
- 3. The semiconductor device of claim 1, wherein the storage capacitor electrode is disposed parallel to the gate electrode.
- 4. The semiconductor device of claim 1, wherein the first semiconductor portion is bent so that the first semiconductor portion intersects a gate line that comprises the gate electrode.
- 5. The semiconductor device of claim 4, wherein the bending of the first semiconductor portion is symmetrical with respect to a center line that is normal to the gate line.
- 6. The semiconductor device of claim 1, wherein the thin film transistor comprises a p-type channel or an n-type channel.
  - 7. The semiconductor device of claim 1, wherein the first and second semiconductor

portions are formed from a semiconductor layer disposed on the substrate.

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8. A manufacturing method of a semiconductor device, comprising: providing a substrate;

forming a first semiconductor portion and a second semiconductor portion on the substrate so that the first semiconductor portion is physically separated from the second semiconductor portion;

forming an insulating film on the first semiconductor portion and the second semiconductor portion;

forming a gate electrode on the insulating film so that the gate electrode and the first semiconductor portion are part of a thin film transistor;

forming a storage capacitor electrode on the insulating film so that the storage capacitor electrode and the second semiconductor portion are part of a storage capacitor;

forming a source region and a drain region in the first semiconductor layer; and forming a metal wiring connecting the first semiconductor portion and the second conductor portion.

- 9. The manufacturing method of the semiconductor device of claim 8, further comprising forming an interlayer insulating film over the first and second semiconductor portions, forming a first contact hole in the interlayer insulating film so as to provide a contact to the first semiconductor portion, and forming a second contact hole in the interlayer insulating film so as to provide a contact to the second semiconductor portion.
- The manufacturing method of the semiconductor device of claim 9, further comprising forming a planarization insulating film over the metal wiring, forming a third contact in the planarization insulating film to provide a contact to the metal wiring, and forming a pixel electrode connected to the metal wiring through the third contact hole.
  - 11. The manufacturing method of the semiconductor device of claim 8, wherein the source and drain regions are formed by ion implantation.